



DETECT™ LASER MAPPING SYSTEM

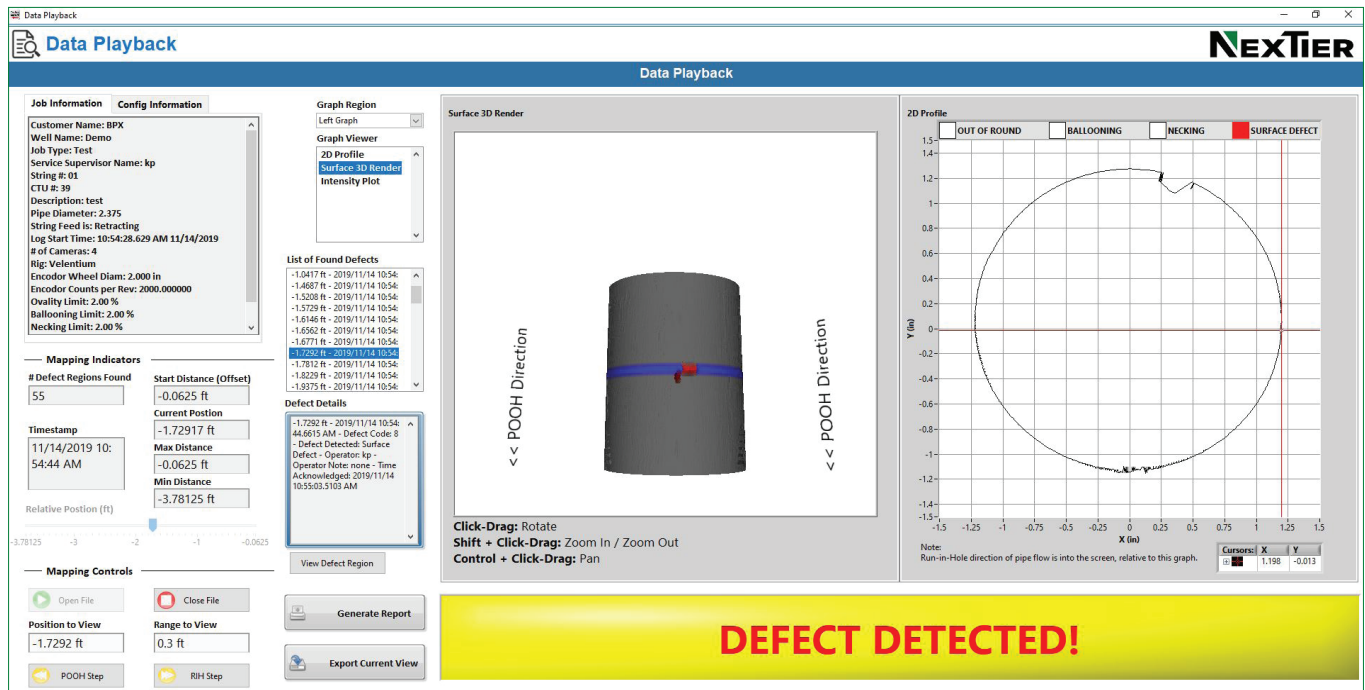
Don't let minor tubing defects turn into extended downtime or catastrophic failure.

Coiled Tubing (CT) is a reliable and efficient completion service that provides a safe, effective solution for a variety of wellsite applications. However, CT can sustain external defects from surface equipment, wellbore irregularities, extreme stresses and chemical corrosion, to name a few. If these defects go unchecked, even minor surface damage can quickly escalate and bring your CT operations to a halt.

DETECT laser mapping is always on the watch to prevent pinholes and parted strings.

Ovality, necking and loss of wall thickness are common CT defects that can be difficult to detect with visual inspection. In cases like these, NextTier's proprietary DETECT system amplifies our CT operator's powers of perception. It catches every detail and discrepancy of the exterior tubing surface, every time. It never gets tired, and it can't be distracted.

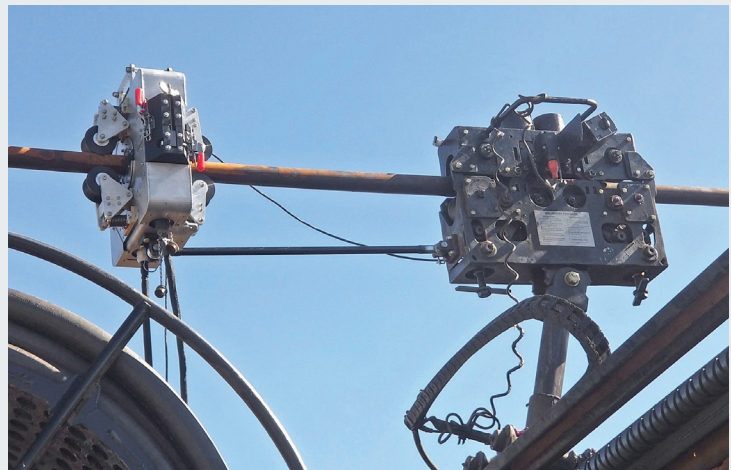
With laser-sharp precision and reliability, the system maps the full CT circumference in real time, during both deployment and retrieval. This means the tubing string is thoroughly scanned at the end of every run – to verify its integrity before it ever makes way to your wellsite. You won't have to worry that an unnoticed nick or dent might succumb to fatigue and develop into a pinhole, or even a parted string.



Continuous, in-line monitoring and state-of-the-art software provide detailed data to help NexTier CT operators make quick, informed decisions and keep your operations running smoothly.

How the DETECT system works

- NexTier installs DETECT sensor unit at surface
- CT string passes through sensors during both deployment and retrieval
- Full circumference of CT string is laser mapped in real time
 - Continuous, in-line monitoring provides real-time readout of all data being collected
- CT operator receives alarm when DETECT system identifies a defect
 - Cross-sectional and 3D renderings provide instant, magnified visual detail
 - Mapping function indicates exact location of tubing damage
- Operator has comprehensive information to:
 - Make informed decisions
 - Avoid potentially catastrophic CT failures



The DETECT system delivers real-time laser mapping of the full CT circumference – during both deployment and retrieval.

Elevate CT safety, efficiency and performance with NexTier.

When you partner with NexTier, unsurpassed innovation and expertise are always part of the package. To learn more about how we use the DETECT laser mapping system to help you reach new levels of performance in your CT operations, contact your local NexTier representative.